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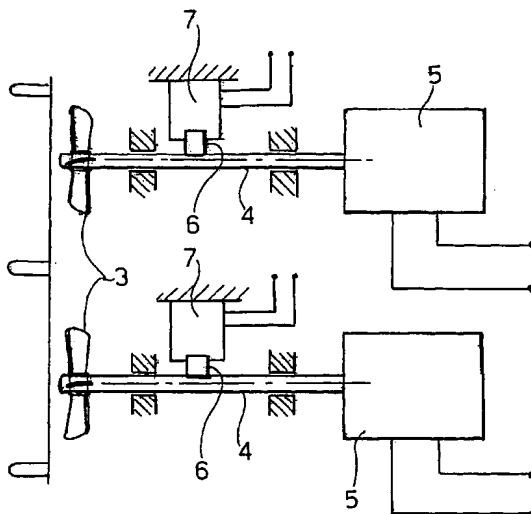
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[Continued on next page]

(54) Title: AN ELECTRICAL ENERGY GENERATOR DEVICE WITH MICRO-FAN ARRAY



(57) Abstract: An electrical energy generator device comprising an array of micro-fans each associated to a respective dynamo-electric generator by means of a respective connecting shaft, further comprises, for at least some of the micro-fans (3), a lug element (6) associated to the respective connecting shaft (4) which mechanically co-operates at each revolution with a piezoelectric element (7), for the production of additional electrical energy. In addition or instead of the aforesaid arrangement, it is possible to provide plates (10) made of piezoelectric material which vibrate in the flow of air that invests them, thereby producing electrical energy.

WO 2004/068606 A1

WO 2004/068606 A1



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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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X	US 5 223 763 A (CHANG DAVID B) 29 June 1993 (1993-06-29) column 2, line 66 - column 3, line 34; figures 1,2	3
X	US 6 011 346 A (BUCHANAN RONNIE J ET AL) 4 January 2000 (2000-01-04) column 2, line 57 - column 3, line 67; figures 1-5	3
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☒ Further documents are listed in the continuation of box C.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 4 220 870 A (KELLY DONALD A:) 2 September 1980 (1980-09-02) abstract; figure 3 -----	1,2
A	US 4 140 433 A (ECKEL OLIVER C.) 20 February 1979 (1979-02-20) figure 10 -----	1,2

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